

EMBRYOLOGIA

KOBAYASHI, M. R. Chromosomal evidence in the

PLATE OF THE EMBRYOLOGY OF THE SPONGE
L. Changes in the thickness of the egg membrane

TANAKA, C. and YAMADA, T. The development of the embryo

from the isolated yolk in the frog

guinea pig bone marrow

DAN, H. and KOBAYASHI, H.

Japanica between 1960-1961

TANAKA, C. The differentiation of the

derm under the influence of the mesoderm in the

pyrrolidine

KOBAYASHI, M. R. The effect of the extracts of the gonad of the

egg of the sea urchin with special reference to the induction of the abnormal cleavage

KOBAYASHI, M. R. Studies of the metabolism in insects. IV.

Inhibition of pupation by carbon dioxide in the matured larva of *Leucophlaea maculata*

KOBAYASHI, M. R. The effects of various reagents on the

pattern of the insect wing

KOBAYASHI, M. R. Studies on the physiology of arthropods

THE EMBRYOLOGIA SOCIETY

Nagoya, Japan

KOBAYASHI, M. R. Developmental biology and pediatrics

AKIYAMA, T. Developmental biology and pediatrics

W39841

EMBRYOLOGIA

TABLE OF CONTENTS

VOLUME 5

No. 1 (April, 1960)

PAGE

KOJIMA, M. K.: Cyclic changes of the cortex and the cytoplasm of the fertilized and the activated sea urchin egg.	
I. Changes in the thickness of the hyaline layer.....	1
TAKATA, C. and YAMADA, T.: Endodermal tissues developed from the isolated newt ectoderm under the influence of guinea pig bone marrow.....	8
DAN, K. and KUBOTA, H.: Data on the spawning of <i>Comanthus japonica</i> between 1937 and 1955.....	21
TAKATA, C.: The differentiation <i>in vitro</i> of the isolated endoderm under the influence of the mesoderm in <i>Triturus pyrrhogaster</i>	38
KOJIMA, M. K.: The effect of DNP and NaN ₃ on fertilized eggs of the sea urchin with special reference to the induction of the abnormal cleavage.....	71
TAKAOKA, M.: Studies of the metamorphosis in insects. IV. Inhibition of pupation by carbon dioxide in the mature larva of <i>Drosophila melanogaster</i>	78
ISHIKAWA, M.: The effects of sulphydryl reagents on artificial parthenogenesis in the sea urchin egg.....	85
MURAMATSU, S.: Studies on the physiology of <i>Artemia</i> embryos. I. Respiration and its main substrate during the early development of the encysted embryo.....	95
KAJISHIMA, T.: Analysis of gene action in the transparent-scaled goldfish, <i>Carassius auratus</i> . I. On the gene action in the disappearance of guanophores.....	107

No. 2 (July, 1960)

- KAJISHIMA, T.: Analysis of gene action in the transparent-scaled goldfish, *Carassius auratus*. II. The effects of pituitary and thyroid on gene action.....127
- PFAUTSCH, M.-E.: Untersuchung des Nukleinsäuregehaltes in verschiedenen Keimregionen bei der frühen Gastrula und Neurula von *Triturus alpestris* (LAUR) und *Ambystoma mexicanum* (COPE).139
- TAKEUCHI, K.: The behavior of carotenoid and distribution of xanthophores during development of the medaka (*Oryzias latipes*).....170
- KOJIMA, M. K.: Cyclic changes of the cortex and the cytoplasm of the fertilized and the activated sea urchin egg. II. The formation of clear spots by the hypertonicity, ether and urethane.....178
- ISHIKAWA, M.: Experimental formation of the mark of sperm-entry on the fertilization membrane in the sea urchin egg.186
- TAKATA, C.: The differentiation *in vitro* of the isolated endoderm in the presence of the neural fold in *Triturus pyrrhogaster*.....194
- EGUCHI, Y.: Experimental studies on the adrenal cortex of the mouse-fetus. I. Effects of maternal adrenalectomy on the adrenal of the fetus based on histology and volume determination.206

No. 3 (December, 1960)

- EGUCHI, G. and ISHIKAWA, M.: ^{32}P -Uptake by dorsal and ventral halves of the iris at the beginning of lens regeneration in the newt.219
- TOMITA, H.: On the nature of amphibian phenol oxidase.227
- ANDO, S.: Physiological study on egg formation of the fish. I. Accumulation of carbohydrates and proteins during oogenesis.....239
- SAWADA, N.: Studies on the artificial activation and cortical reaction of the egg of *Nereis japonica*.247
- TAKAOKA, M.: Studies of the metamorphosis in insect. V.

Factors controlling the larval period of the squash fly, <i>Zeugoducus depressus</i> SHIRAKI.....	259
ŌISHI, S.: Studies on the teloblasts in the decapod embryo. II. Origin of teloblasts in <i>Pagurus samuelis</i> (STIMPSON) and <i>Hemigrapsus sanguineus</i> (DE HAAN).....	270
OKAZAKI, K.: Skeleton formation of sea urchin larvae. II. Organic matrix of the spicule.....	283
HsÜ, C.: The effect of aureomycin on development of the frog.....	321

No. 4 (February-March, 1961)

HISHIDA, T., TOMITA, H. and YAMAMOTO, T.: Melanin forma- tion in color varieties of the medaka (<i>Oryzias latipes</i>).....	335
TOMITA, H. and HISHIDA, T.: A quantitative study on phenol oxidase of skins in color varieties of the medaka (<i>Oryzias latipes</i>).....	347
SAKAI, Y. T.: Method for removal of chorion and fertilization of the naked egg in <i>Oryzias latipes</i>	357
KOJIMA, M. K.: Cyclic changes of the cortex and the cyto- plasm of the fertilized and the activated sea urchin egg. III. Susceptibility of artificially activated eggs to cleavage- inducing action of hypertonic, DNP- and NaN ₃ sea water.....	369
HAINO, K. and DAN, J. C.: Some quantitative aspects of the acrosomal reaction to jelly substance in the sea urchin.....	376
ÔGI, K.: Vegetalization of the presumptive ectoderm of the <i>Triturus-gastrula</i> by exposure to lithium chloride solutoin.....	384
AKETA, K.: Studies on the production of the fertilization acid in sea urchin eggs. I. Acid production at fertilization and activation, and the effect of some metabolic inhibitors.....	397
AKETA, K.: Studies on the production of the fertilization acid in sea urchin eggs. II. Experimental analysis of the production mechanism.....	406
TOMITA, H. and MATSUDA, N.: Deformity of vertebrae induced by lathyrogenic agents and phenylthiourea in the medaka (<i>Oryzias latipes</i>).....	413
TOMITA, H. and HISHIDA, T.: On the phenol oxidase of em- bryonic and larval stages of the medaka (<i>Oryzias latipes</i>).....	423

5/16-1.

Embryologia

Errata
for
Embryologia Vol. 5, No. 3

p. 313, in Table 4, designation of
the first column,

for Stage of transfer to 0.1 Ca read Stage of transfer to 0.7 P

THE EMBRYOLOGIA SOCIETY
Nagoya, Japan



UNIVERSITY
LIBRARY